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PERSONAL INCOME AND POPULATION IN KANSAS COUNTIES: 1950-1962

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Washington, D. C. 20546

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MIDWEST RESEARCH INSTITUTE

425 VOLKER BOULEVARD/KANSAS CITY, MISSOURI 64110/AC 816 LO 1-0202

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PREFACE

Personal income is considered to be one of the best single measures of economic progress and well-being. This is true at all levels--national, state, local. Estimates of personal income for the nation are published monthly by the U. S. Department of Commerce, Office of Business Economics, in its Survey of Current Business, and state estimates are prepared annually. Unfortunately, comparable estimates of personal income at the county level are not available. Because of the need for income information at the sub-state level, a research effort was undertaken, under the sponsorship of the National Aeronautics and Space Administration, to develop estimates of county income, population and other measures of economic progress for a six-state region.* Questions relating to concepts, methodology, data sources, and data limitations for the region as a whole are discussed in separate volumes.** This appendix volume dealing with the State of Kansas was prepared by Dr. Darwin W. Dairoff of the University of Kansas. The report is one of six which present the methodology followed by the respective states along with estimates of county population and personal income.

^{*} Arkansas, Iowa, Kansas, Missouri, Nebraska, and Oklahoma.

^{**} Midwest Research Institute, Methods of Estimating Personal Income by County in the Six-State Region of Arkansas, Iowa, Kansas, Missouri, Nebraska, and Oklahoma, May 1966.

Richard W. Poole, James D. Tarver, David White, and William R. Gurley,

An Evaluation of Alternative Techniques for Estimating County Population

in a Six-State Area, Economic Research Series No. 3, Oklahoma State

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W. Nelson Peach, Richard W. Poole, and James D. Tarver, <u>County Building Block Data for Regional Analysis: Oklahoma</u>, Research Foundation, Oklahoma State University, March 1965.

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I. INTRODUCTION

The purpose of this study was to develop a reliable series of data on personal income for the 105 counties in the State of Kansas. Annual estimates were made for the period 1950 through 1962. During the course of this study, a methodology was developed which can be used to update these estimates each year. This report outlines the procedures used and presents estimates of population and personal income for the Kansas counties.

II. METHODS OF ESTIMATING COUNTY INCOME

Since the working and basic assumption of this study was that the estimates of personal income for Kansas as provided by the Office of Business Economics of the United States Department of Commerce (OBE) are accurate, the general procedure of this study was one of allocation. 2/ The task of dividing the various components of personal income among the 105 counties in the State required finding data that would provide the most satisfactory bases for county allocations.

The allocators used in this study are of two types. First, when it was possible to obtain annual data for the counties, the allocation basis for distributing the OBE total among the 105 counties was yearly. Second, when annual data were not available, the distribution of the OBE totals was made for two or three benchmark years and extended to the other years by extrapolation and interpolation (a method used considerably by the OBE).

Wage and Salary Disbursements

The Department of Commerce, Office of Business Economics, divides Kansas wage and salary disbursements as follows:

Farms Mining

Bituminous and other soft coal Crude petroleum and natural gas Mining and quarrying, except fuel

^{1/} The Office of Economic Analysis of the State of Kansas is now in the process of refining and updating these estimates.

^{2/} Although reliance was placed in the OBE estimates, some adjustments are considered in order to satisfy basic residence requirements.

Contract construction
Manufacturing
Wholesale and retail trade
Finance, insurance and real estate
Banking and other finance
Insurance and real estate
Transportation
Railroads
Highway freight and transportation and warehousing
Other transportation
Communication and public utilities
Telephone, telegraph, and other communications
Electric, gas, and other public utilities
Services

Hotels and other lodging places
Personal services and private households
Business and repair services
Amusement and recreation
Professional, social, and related services

Government
Federal, civilian
Federal, military

State and local

Other Industries

Since the Office of Business Economics estimates wages and salaries for each of the above categories, the totals in each category were distributed among the Kansas counties. In most instances, the procedure involved distributing the State totals on the basis of data derived by calculating the number of employees or wages and salaries in each county, the raw data for which were taken from wage and salary distribution as reported by the Employment Security Division, Kansas Department of Labor. Since the raw data provided by the Employment Security Division did not cover all industries, the following exceptions to the procedure of county allocation were employed:

Farms: This category was distributed on the basis of county distribution of "Hired Labor" as provided by the <u>U. S. Census of Agriculture</u> for the years 1949, 1954 and 1959. These data were interpolated between these years and extrapolated beyond.

Railroads: This category was distributed on the basis of railroad employment per county as provided by the 1950 and 1960 <u>U. S. Census of Population</u> by the use of interpolation and extrapolation.

<u>Private households</u>: Since the Department of Commerce breaks the category of personal services and private households into its two components, the components were distributed separately. The private households category

was distributed on the basis of private household employees per county as provided in the 1950 and 1960 $\underline{\text{U. S. Census of Population}}$, and these two years were used as benchmarks.

Professional, social, and related services: This category was allocated on the basis of the percentage distribution of the number of employees in these services per county as contained in the 1950 and 1960 U. S. Census of Population. The 1950 data include employees in medical and other health; educational services, private; and other professional and related services. The 1960 data include employees in hospitals; educational services, private; welfare, religious, and related services; and other professional and related services.

Government--federal, civilian: This category was allocated on the basis of 1950 and 1960 benchmark years. The Joint Committee on Reduction of Non-Essential Federal Expenditures provided the data.3/

Governments--federal, military: This category was allocated on the basis of 1950 and 1960 <u>U.S. Census of Population</u> data. The number of military personnel in residence in each county in these years was used as a benchmark.

Government--state and local: The state portion of this category was obtained from U. S. Department of Commerce, Bureau of the Census, Compendium of State Government Finances. Local government wages and salaries were taken to be the difference between the OBE estimates and the state government wages and salaries. Each subcategory was then allocated separately.

State wages and salaries: The state totals were distributed on the basis of a percentage distribution for the years 1954, 1957, 1959, and 1961. The percentage distributions were obtained by allocating wages and salaries of all state agencies in the benchmark years among the 105 counties. From these benchmarks, the data were extrapolated and interpolated.

Local government wages and salaries: County allocations for this category were based upon percentage distributions for the years 1957 and 1952. The 1957 distribution was based upon the data provided on local government wages and salaries in the 1957 <u>U. S. Census of Government</u>. The 1952 distribution was obtained from wages and salaries of all school districts in Kansas as provided in their 1954 budgets. These 1952 school figures were then

^{3/} The United States Congress, Senate Joint Committee Reduction of Non-essential Expenditures, Additional Report of the Joint Committee on Reduction of Non-essential Federal Expenditures.

adjusted to a county estimate for all local government wages and salaries by assuming that the 1957 (Census of Government) ratio of educational salaries to total salaries prevailed. This ratio was applied to the 1952 figures, which then provided an estimate of local government wages and salaries. Some adjustment was made to account for those counties that suffered an extraordinary decline in local government employment between 1952 and 1957.

Other industries: In Kansas only part of this category, agricultural and similar service establishments, is important. Wages and salaries for SIC group 07 (agriculture services and hunting and trapping) was used for the allocation of this component of wages and salaries.

In the wages and salary disbursements that did not fall into the above-noted exceptions, county allocations were made on the basis of the raw data provided by the Employment Security Division, Kansas Department of Labor. Two steps were employed in the use of these data:

- 1. Part of the wages and salaries were directly allocable to individual counties. These data were collected for the first quarter of each year.
- 2. The remainder of wages and salaries is a statewide category and includes the wages and salaries paid by firms that carry on operations in more than one county. It is necessary, therefore, to distribute this portion among various counties. The method for such distribution was based upon a biennial survey taken in the first quarter of every odd year. This survey asked each multi-county employer to locate the number of employees by county. When this survey was tabulated, the number of employees per industry, per county, was known for these multi-county firms. From these data, estimates for employment for even-numbered years were made by averaging the two odd-numbered years at either side of the appropriate even-numbered year. In order to convert the number of employees to first quarter wages and salaries, an average first quarter wage by industry was estimated. This wage was multiplied by the number of employees per county in each industry to arrive at an estimate for county wages and salaries of multi-county firms. 4

It was necessary to group Employment Security Division data into groupings comparable to the Office of Business Economics categories. Two different groupings were necessary, because different classification codes were used during the period. In the 1950 - 1957 period, the Employment Security

^{4/} There was no survey for 1951; consequently, the years 1949 and 1953 were used as benchmarks for the intervening period.

Division used the Social Security Board, <u>Industrial Classification Code</u>, 1942. Since 1958, this agency has used the code published in the Bureau of the Budget, <u>Standard Industrial Classification Manual</u>, 1957.

In order to provide an estimate of the validity of the use of Employment Security Division data, the year 1959 was studied in detail. Data from all four quarters of directly allocable wages and salaries and appropriately adjusted multi-county data produced information that could be used to estimate the reliability of these data in relation to the Department of Commerce estimates. There are only two categories in which the obtained data underestimated the OBE estimates by more than 25 per cent. Since both of these categories are relatively small and because Employment Security Division data provided a better basis than any alternate sources, these data were accepted.

The question of the validity of using first quarter data rather than annual data in establishing the estimates was answered by comparing annual estimates to first quarter estimates for three industries in 1959. While some discrepancies are evident, it appears that for the most part they are minor. Although the county allocation would be somewhat more exact if annual data had been used, the limitations of resources available for this study prevented using all four quarters.

A final limitation of the method used in this study resulted from the estimation of wages and salaries of multi-area firms. Throughout the period, multi-area employment constituted approximately one-third of covered wages and salaries. A very large proportion of the employees of the utility categories fall with the classification of multi-area employment. Since the location of these employees is, however, quite permanent, the results of the computations for this category should be reliable, but in the categories of crude and natural gas and of contract construction the reliability of the estimates may lessen somewhat, as the labor force of these industries is mobile. The first quarter location in one county does not guarantee that the same employee will work in that county during the succeeding quarters of the year. Since no other data are available for such an allocation, the computations outlined above were accepted as the best alternative.

Other Labor Income

This category includes employer contributions to private pension and welfare funds, compensation for injuries, pay for military reservists, directors' fees, government payments to enemy prisoners of war, federal contributions to group life insurance, merchant marine war-risk life and injury claims, compensation of prison inmates, marriage fees to justices of the peace,

and jury and witness fees. The distribution of this category's income lacks theoretical basis. The only association of this category with readily available data would be with either population or wages and salaries. This portion of personal income was allocated on the basis of the annual county percentage distributions of total wages and salaries.

Property Income

This component of personal income includes rent, dividends, and interest. The breakdown of this component into its three categories was from the OBE.

Rent: Rent was distributed on the basis of the assessed value of real property by county. The data were adjusted to take into account the varying assessment ratios among the counties. Data for the years 1950, 1955, and 1960, as contained in State of Kansas, Property Valuation Department, Report of Real Assessment Ratio Study (annual series) were used as benchmarks. The validity of this allocation may be questioned, because there are differences in the ratios of rental property to owner-occupied property in various counties and because property owners do not necessarily reside in the same county as their property holdings. This method of allocation was, however, accepted, as the alternative method of allocating on the basis of rent reported on state income tax forms was less satisfactory. The allocation by assessed value of real property was compared to rent income reported on a sample number of state income tax returns for 1958. The results of this comparison were not favorable and cast suspicion as to the validity of these income tax data. For example, these data show that in Shawnee County, the county in which the state capital is located and the fourth most populous county in the state, the 1960 rental income was only slightly more than 1 per cent of Kansas rental income. Consequently, the income tax data were rejected as a means of allocation and property value was accepted.

Dividends and interest: Dividends and interest were allocated on the basis of total bank deposits by county for the years 1950, 1956, and 1959, as presented in the U. S. Department of Commerce, Bureau of the Census, County and City Data Book. The percentage distributions for the benchmark years were interpolated and extrapolated.

In an effort to strengthen this allocator, state intangibles tax collections were tested as an alternative allocator. This alternative method was rejected because certain intangibles are free from taxes under existing state laws and, during the period, the tax was revised allowing the taxpayer to pay either on value or earnings, which resulted in a very significant change

in percentage distributions. A second alternative method was tested and also rejected. This alternative method compared the allocation by total bank deposits to a percentage distribution of interest and dividends as reported in a sample of 1958 perconal income tax returns. Since this comparison showed considerable discrepancies and since the income tax data were available for only one year, this use of state income tax data as an acceptable allocator was discarded as unsatisfactory.

Proprietors' Income

Proprietors' income is divided into farm and nonfarm portions. Each was allocated separately.

<u>Nonfarm</u>: This component includes net income of owners of business establishments and professional practitioners. The basis for distributing this category among the counties was the fact that the location of these people is correlated with the location of retail sales and the residence of professional people. Therefore, this component was distributed on the basis of annual sales tax collections per county from unpublished data received from the Kansas Department of Revenue.

An alternate method that could be employed in distributing this component would be to divide the component into its various categories and make the distribution on the basis of number of businesses per county (as contained in the <u>U.S. Census of Business</u>) and the number of professional people located in each of the counties times a figure of annual earnings (as found in the <u>U.S. Census of Population</u>). This method was rejected, because it was felt that such estimates would not sufficiently increase the validity of the estimates to justify obtaining such estimates.

Farm: This component contains gross farm income adjusted for changes of inventory of certain crops and livestock minus expenses for operating the establishment. Gross farm income includes (1) sale of farm products, (2) value of home consumption, (3) estimated rental value of farm dwellings, and (4) government payments to farmers.

The method used to allocate farm proprietors' income was divided into two steps. First, an estimate of net income from farming was obtained. Second, government payments were added to obtain total farm proprietors' income.

For the years 1949, 1954 and 1959, estimates of farm personal income per county excluding government payments was obtained from U. S.

Department of Commerce, Bureau of the Census, <u>U. S. Census of Agriculture</u>. Since this source itemizes county receipts and specified farm expenses, a percentage distribution of farm income, excluding government payments, was obtained by subtracting enumerated expenses from receipts from marketings and adjusting this figure for changes in inventory of livestock and poultry as presented in Kansas State Department of Agriculture Farm Facts.

The county data for the total value of field crops and the total value of livestock and poultry produced for all years that is presented in Farm Facts is substantially different from the census data, as Farm Facts uses a value added concept while the census estimates sales from marketing. Therefore, it was necessary to convert the census data to the value added method if yearly estimates were to be obtained. The net income figure that was obtained for the census years was used in connection with value added estimates from Farm Facts to construct an estimate of a profit ratio for the three years. These profit ratios are then interpolated and extrapolated. Annual profit ratios per county were multiplied by the annual Farm Facts estimates of value added per county to obtain the basis of allocating income from farming.

An alternate method of estimating county farm income would be to distribute expenses among the counties. The Department of Agriculture estimates of farm expenses are, however, based primarily on data collected during the census years, so it was decided that such a method would show a minimum of difference from the method employed.

The rental value of farm dwellings is not separately estimated, or it is rather small in Kansas. Further, any method by which it could be distributed would be of doubtful validity. It should be noted that the use of value added statistics would include value of home consumption as well as sale of farm commodities in an estimate of farm income.

Total government payments to Kansas farmers for each year are availfor an annual tabulation made by the U.S. Department of Agriculture. This source presents a breakdown of the various agricultural programs that involve a government payment.

County allocations for most programs can be found in the Annual Report and Statistical Summary, published by the Kansas Crop and Livestock Reporting Service. For all programs, the totals for the various programs as published by the Kansas Crop and Livestock Reporting Service are not equal to the U.S. Department of Agriculture totals. Where data relating to a particular program were unavailable for a particular year, the available data in adjacent years were averaged. If data concerning a small program were unavailable, the total of this program was added to a similar program for which data were available.

The county estimates of government payments were made under the assumption that the total as presented by the U. S. Department of Agriculture is consistent with the OBE estimate. Second, it was assumed that the percentage distribution of the Kansas Crop and Livestock Reporting Service is accurate. The distribution procedure was then simply to allocate the U. S. Department of Agriculture total, by program, according to the Kansas Crop and Livestock Reporting Service distribution.

The basic data were such that the estimates in the first half of the period to 1955 are reasonably accurate. In the years since 1955, when the programs have become more numerous and complicated, the estimates are more subject to error.

Transfer Payments

The Office of Business Economics furnished the following breakdown for transfer payments for each year.

Federal transfer payments
Old-age and survivors' insurance benefits
State and national unemployment insurance benefits
Railroad benefits (unemployment and retirement)
Federal civilian pensions
Government life insurance benefits
Payments to nonprofit institutions
Military retirement
Veterans' pensions and compensation
Other

State and local government transfer payments
Government pensions
Direct relief
Other

Business transfer payments

The components were distributed as follows:

Old-age and survivors' insurance benefits: This category was distributed on the basis of data received from the Social Security Administration. These data show the dollar payments per county for the final month of each calendar year. Since data were unavailable for December, 1950, and December, 1958, the February figures of the following years were used.

State and national unemployment insurance benefits: This component was distributed on the basis of 1950 and 1960 benchmarks. The 1960 benchmark was obtained from the U. S. Census of Population data on the number of unemployed in the labor force. The 1950 benchmark was obtained from the Kansas Employment Security Division data in the Statistical Abstract-unemployment payments per county. A better estimate could have been reached if statistics on unemployment payments per county were available for the years following 1950; however, this could not be done as the collection of such data was terminated by the agency following 1950. In an attempt to improve the estimate, a comparison was made between the number of unemployed and the unemployment payments in 1950; several major discrepancies appeared. Additionally, since the agency now reports its unemployment payments according to geographic district, the county unemployment payments were compared to regional payments divided into counties on the basis of population. Here again several discrepancies appeared. Consequently, it was decided that the number of unemployed was to be used in 1960 and the unemployment payments were to be used in 1950. As a result of two series, the earlier estimates should be better than the later years' estimates.

Railroad benefits: This category was distributed annually on the basis of railroad wages and salaries.

Federal civilian pensions: This component was distributed annually on the basis of federal civilian government wages and salaries.

Government life insurance benefits, military retirement, and veterans' pension and compensation: These components were distributed on the basis of 1950 and 1960 census benchmarks by the number of males per county over 14 years of age.

Payments to nonprofit institutions: This category was distributed on the basis of the number of students enrolled in schools of higher education with 1951 and 1961 used as benchmarks. The data were taken from the Kansas Education Directory.

Other federal transfer payments: This component was distributed on the basis of the distribution of the preceding federal transfer payments.

State and local government pensions: This category was distributed annually on the basis of state and local government wage and salary disbursements.

<u>Direct relief and other state and local government transfer</u>
<u>payments:</u> These components were distributed by fiscal year as provided by the
State Department of Social Welfare, Financial Statements for Fiscal Year.

Business transfer payments: The distribution was on the basis of annual state sales tax receipts provided by the Kansas State Department of Revenue.

Personal Contributions for Social Insurance

This category includes all payments from personal income to social insurance programs. These include old-age and survivors' insurance, state unemployment insurance, cash sickness-compensation funds, railroad retirement insurance, federal civilian retirement systems, state and local retirement systems, and government life insurance. The OBE provided a breakdown of the total into OASI contributions, both employee and self-employed and other contributions. The self-employed contributions were distributed on the basis of annual distribution of proprietors' income. Employee OASI and other contributions were distributed on the basis of the annual distribution of total wage and salary payments.

III. ADJUSTMENT FOR RESIDENCE

Personal income represents income of persons by place of residence, as opposed to "income payments," which includes income on a "where earned" basis. Thus, the estimates of personal income for the State of Kansas, for example, include income earned in Kansas City, Missouri, by residents of Johnson County, Kansas. The same concept applies, of course, at the county level within any given state.

This designation on a "place of residence" basis introduces one of the most critical and perplexing problems associated with county income analysis--the situs or commuting problem. Many of the allocators used to distribute state totals to the counties are available only on a place of employment basis. Use of these allocators can lead to an improper distribution of income where extensive commuting is prevalent.

A cursory examination of the Kansas personal income estimates reported by the Office of Business Economics revealed that the Kansas estimates were understated. An effort was made to determine the extent of this discrepancy, and the analysis of the major components of personal income revealed that the "place of residence" definition was not always followed by OBE in constructing the Kansas estimates. The following discussion of specific major components of personal income indicates where the discrepancies occurred and their effect upon the total income estimates for Kansas.

Wages and Salaries

Almost all wages and salaries, with the exception of (1) railroad, (2) private household, and (3) professional, social, and related services, are distributed on the basis of location of employment rather than where a wage or salary earner lives. The results of quantifying these facts indicate that 88 per cent of Kansas wage and salary disbursements in 1960 do not adhere to the definition of residence as employed by the Office of Business Economics and are, in fact, distributed on the basis of employment location. 5

Other labor income, including (1) employee contributions to private pensions and welfare funds, (2) compensation for injuries and (3) pay for military reservists, is also distributed on the basis of the location of employment.

Proprietors' Income

Farm proprietors' income is estimated on the basis of data presented in <u>U. S. Census of Agriculture</u> and similar government publications, which include statistics collected by the Department of Agriculture. These data indicate that income is allocated by the location of farm rather than where the farmer lives; however, it is unlikely that in the majority of instances this method of allocation would cause difficulty.

Nonfarm proprietors' income is distributed according to classifications based on professional type of business, etc., and the majority of this income is distributed on the basis of (1) the <u>U. S. Census of Population</u>, (2) the <u>U. S. Census of Business</u>, and (3) a 1951 - 1952 benchmark of self-employed as compiled by the OASI agency. Consequently, these data should reflect an allocation by where a person lives; however, these distributions have not adjusted appreciably since the 1950 <u>U. S. Census of Population</u> and the 1951 - 1952 benchmark.

^{5/} Since wage and salary estimates basically come from tabulations of reports by business establishment, the OBE does make some adjustments in personal income data for certain areas--Washington, D. C.; Kentucky (re: Ohio, Indiana, and Illinois); all of New York (re: New Jersey and Connecticut)--however, no such adjustments are made for Kansas.

Other Income

Monetary property income is distributed on the basis of Federal Income Tax returns; therefore, this portion of the component is correctly distributed. Imputed property income is distributed on the basis of such data as location of bank deposits, life insurance owners, etc. Thus this portion is not entirely distributed according to the residence definition employed by OBE.

Transfer payments are distributed in various ways, and, since a complete examination could not be undertaken, it is assumed that they are distributed on the basis of the residence definition.

Conclusion

From the analysis, it was concluded that a major portion of the state's personal income is measured on the basis of location of employment rather than place of residence. Since northeast Kansas performs a "bedroom function" for the Kansas City, Missouri, area, it was evident that Kansas personal income is understated by the OBE.

Since the switching in the definition that occurred in the collection of the personal income data did result in Kansas personal income being understated, an additional analysis of examining and quantifying the amount of underestimation was undertaken.

The 1960 U. S. Census of Population provides a new concept for measuring income earned in the form of wages and salaries and proprietary income from a peripheral state by residents of the central state. One can examine two bordering states and, by measuring the flow into each of the states from the other, can arrive at a net addition or subtraction for the two states for the census year. The following table indicates the net changes to Kansas personal income accruing from each of her peripheral states in the manner prescribed above.

Before increasing Kansas income by the results given in the table, it was necessary to ask two questions:

- 1. How much of the net change in Kansas income is already included in the OBE estimates of Kansas personal income?
- 2. Is there a difference between the census estimates of personal income and OBE estimates?

NET CHANGES IN KANSAS INCOME ACCRUED FROM HER PERIPHERAL STATES 1959

State of Source	Pro	prietary		ages and alaries
Colorado	\$	631,800 ^a /	\$	806,519
Missouri	57	,868,778	26	3,629,050
Nebraska		552,953		2,011,334
Oklahoma		161,269		- 161,269
Total Accrued to Kansas	\$58	,892,262	\$26	6,285,634

a/ Colorado's proprietary income for Kansas residents was not provided separately. Therefore, it was adjudged to be equal to total income minus wages and salaries.

Source: Computed from <u>U. S. Census of Population 1960</u>, "Detailed Characteristics," PC (1) series for the six-states, Table 132.

Previously it was determined that 88 per cent of Kansas wages and salaries for 1960 was estimated solely on the basis of employment location, while the remainder was estimated on a combination of employment and residence location. Consequently, it was assumed that 94 per cent of the wages and salaries earned by Kansas residents outside of Kansas is not included in the OBE estimate of Kansas personal income.

The portion of proprietary income that should accrue to Kansas from her peripheral states would in part depend upon the source, farm or nonfarm. All of the farm income earned outside of Kansas by Kansas residents is excluded from the OBE estimate of Kansas income; consequently, it was assumed that all accrued proprietary farm income should be added to the OBE estimates.

On the basis of terrain and location of cities, etc., it was assumed that all proprietary income crossing the state lines between Kansas and Colorado, Nebraska, or Oklahoma is farm proprietary income and that 10 per cent of proprietary income moving between Kansas and Missouri is farm proprietary income (the remainder was assumed to be nonfarm proprietary income).

A determination of the portion of the nonfarm proprietary income that moves from Missouri into Kansas that is included in the OBE estimate was then made. Since the OBE estimate is based upon data compiled in the early 1950's occupational groups as compiled by the 1950 and 1960 U. S. Census of Population were examined in an effort to find what changes had occurred in the 10-year span. Analysis of these data indicates that the percentage increase in Kansas nonfarm proprietary income was smaller than the percentage increase in the number of people earning nonfarm proprietary income and that the percentage decrease in Missouri nonfarm proprietary income was not as large as the percentage decrease in individuals earning this income. Therefore, unless one argued that there has been a substantial change in income per professional person, it was evident that almost all nonfarm proprietary income earned in Missouri by Kansans is included in the estimates of Kansas income. On the basis of this analysis, it was arbitrarily assumed that 60 per cent of the nonfarm proprietary income that moved from Missouri to Kansas was not included in the OBE estimates for 1959.

When OBE personal income is compared to U. S. Census income (average earnings multiplied by income earners), one finds that the OBE estimate is significantly higher. Therefore, the estimates of nonfarm proprietary income crossing state lines had to be adjusted so that the estimates, which were to be added to the Kansas personal income estimates, would be comparable to the base figure. A mean of the census to OBE estimates for the five states and for the United States as a whole showed that census income was 77.72 per cent of OBE estimates. Consequently, the changes to states income were divided by this figure to obtain a change comparable to the OBE estimates.

One final change was made for the terminal adjustment. Since the income of the states changed, it appeared that state contributions for social insurance should also change. Therefore, these estimates were adjusted on the basis of a state's change in wage and salary disbursements and proprietary income.

The consequence of these adjustments was to raise considerably the estimated total personal income of Kansas. For 1959, this adjustment raised income from \$4,302 billion to \$4,663 billion. This, consequently, changed the estimates of county income.

Since the majority of this adjustment involves Missouri, the major counties affected in Kansas would be those counties near the large Missouri cities. These counties are Cherokee, Crawford, Doniphan, Douglas, Johnson, Leavenworth and Wyandotte. The most striking of the adjustments occurred in Johnson County. Here total personal income in 1959 without adjustments for residence was \$158 million; with all residence adjustments, the figure more than doubled--\$353 million.

Fortunately, for many purposes of regional analysis, data for individual counties are combined into multi-county regions such as an SMSA or larger area, and the situs problem is minimized. Recognizing the problem, but also recognizing the time and budget constraints imposed on some of the individual state participants in the six-state program, the decision was made to report unadjusted county income estimates. It was felt that individual researchers, given the basic income data, would be more familiar with the specific areas and would be better able to make the necessary adjustments. Moreover, for the sake of consistency it was not appropriate for one or two states to make adjustments in their total state estimates while other states did not. Adjusted income estimates are available for the State of Kansas, however, and will be provided upon request by the Office of Economic Analysis of the State of Kansas.

IV. ESTIMATES OF POPULATION AND PERSONAL INCOME
BY COUNTY IN KANSAS

TABLE I

PERSONAL INCOME IN KANSAS BY COUNTY: 1950-1962

	1962	29,166	14,381	41,231	17,262	75,208	30,035	24,172	69,450	7,888	9,067	36,991	10,389	9,015	21,106	27,197	14,715	7,311	72,467	69,430	160,51	43,772	13,046	82,952	11,274	7,343	40,090	14,624	39,794	50,330	33,115	72,493	10,283	11,433	15,929	11,535	7,182	19,551	9,027
	1961	28,488	14,800	39,876	17,762	72,601	29,154	24,172	880 , 88	8,284	9,038	36,745	10,540	8,052	21,057	27,459	14,614	7,475	70,173	65,867	11,954	42,652	12,792	79,460	11,415	7,546	37,949	14,435	38,366	49,175	32,882	69,250	10,079	10,998	14,157	12,284	6,153	19,754	89868
	1960	27,264	14,209	38,742	17,695	71,681	28,762	23,148	67,072	8,248	9,070	35,135	10,765	9,112	19,706	25,468	14,018	7,449	66,956	64,123	11,972	40,761	11,691	75,961	11,340	7,790	36,925	13,904	36,927	46,443	32,797	67,942	10,256	11,978	13,898	11,354	1,211	20,154	9,843
	1959	26,240	13,165	38,952	17,225	70,057	27,412	21,859	69,828	7,894	8,892	33,774	9,641	8,338	18,656	24,746	13,128	6,739	67,200	60,202	10,352	40,326	11,638	69,605	9,754	7,740	35,286	13,345	33,063	41,396	30,570	69,650	8,300	11,218	12,699	8,474	6,299	20,273	8,420
	1958	26,043	13,840	36,813	19,213	69,265	27,526	22,026	920,039	8,601	9,381	34,044	10,710	9,415	18,737	25,003	13,782	8,051	65,210	58,555	11,888	39,056	12,304	66,004	11,202	8,284	34,495	14,031	33,479	41,154	30,247	68,218	9,537	11,186	12,780	10,811	6,179	19,721	8,450
Dollars	1957	24,246	11,358	35,602	16,458	63,191	25,643	17,832	60,355	6,456	8,151	32,381	8,001	6,907	15,032	20,844	111,111	960,9	59,904	55,073	8,430	32,273	9,447	58,695	8,448	7,131	29,263	11,238	26,930	34,350	26,995	63,801	5,863	8,615	9,876	7,374	4,547	17,818	2,690
Thousands of D	1956	22,137	10,221	32,075	14,645	64,971	23,318	16,614	57,429	6,771	7,613	31,644	6,328	6,133	14,090	19,998	9,938	4,714	57,503	51,948	7,719	30,097	8,706	209,95	7,422	6,620	28,642	11,052	25,133	32,995	25,542	63,539	5,034	7,621	9,597	6,656	3,550	16,601	5,001
Thou	1955	20,678	9,982	31,754	13,645	61,531	22,471	16,068	52,330	6,102	7,272	30,917	6,590	5,842	13,652	18,909	9,324	4,640	53,443	47,472	8,276	28,614	8,763	53,174	7,234	6,492	27,117	10,916	23,941	31,567	23,270	62,007	5,339	7,651	9,403	6,209	3,408	16,223	5,275
	1954	21,571	10,826	31,297	13,568	59,590	22,315	18,532	53,758	6,779	7,812	31,249	7,408	6,535	12,001	21,017	10,006	5,823	54,601	46,705	9,427	29,623	10,090	49,171	8,422	7,250	27,007	12,160	23,452	31,760	22,860	62,395	6,186	7,961	8,913	6,777	3,793	17,500	5,163
	1953	20,043	10,183	29,410	12,329	56,965	21,377	16,542	51,390	6,787	7,263	26,815	7,647	5,518	14,135	18,557	9,448	5,006	51,801	47,382	8,044	27,592	9,402	45,674	6,515	6,737	24,995	10,762	23,120	31,355	21,476	64,618	5,252	7,132	7,510	5,202	3,149	16,516	4,771
	1952	21,451	12,017	29,410	16,265	59,394	22,538	19,317	53,499	8,401	8,162	29,997	10,672	9,073	15,773	21,076	11,738	8,384	52,335	48,089	201,11	30,309	10,938	49,090	10,311	7,932	28,571	13,941	28,886	38,826	23,574	61,046	8,967	9,209	10,425	10,375	7,185	19,526	8,118
	1951	19,820	11,067	28,641	13,588	53,395	21,671	17,156	50,300	8,003	7,710	26,826	7,787	7,222	14,712	19,776	10,776	6,411	47,141	46,706	8,792	28,083	9,571	54,621	7,970	7,611	26,234	12,001	24,666	32,006	21,873	48,887	6,674	7,544	9,268	6,579	3,917	19,095	6,283
	1950	19,466	11,568	26,183	13,012	45,275	21,318	18,274	46,859	8,083	7,494	25,321	9,274	6,879	14,479	19,494	11,557	6,353	43,691	43,552	9,258	27,972	10,360	37,163	7,414	7,615	25,086	11,374	23,267	29,635	21,499	41,138	7,362	7,389	8,734	7,076	4,684	18,397	6,724
	County	Allen	Anderson	Atchison	Barber	Barton	Bourbon	Brown	Butler	Chase	Chautauque	Cherokee	Cheyenne	Clark	Clay	Cloud	Coffey	Comanche	Cowley	Crawford	Decatur	Dickinson	Don't phan	Douglas	Edwards	EI.k	Ells	Ellsworth	Finney	Ford	Franklin	Geary	Gove	Graham	Grant	Gray	Greeley	Greenwood	Hamilton

TABLE I (Continued)

	0.10		Cach	7101	100,	Thou	sands of	Dollars	200	0.00		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
OGET		1221	1925	1953	1954	1922	1956	1957	1958	1959	1960	1961	1962
	13	13,669	17,529	12,956	14,849	13,166	14,122	15,018	19,351	18,468	19,355	20,724	19,809
Cu	53	29,727	32,504	30,679	32,012	31,956	36,117	39,698	45,685	47,443	48,167	49,836	50,375
4,284 4,	4	4,724	6,704	3,844	4,323	4,251	5,144	5,466	7,943	7,116	9,514	10,363	9,554
	ເດີ	5,336	7,598	3,522	4,867	4,142	4,580	5,001	7,732	6,092	8,078	8,151	8,490
	Π	11,271	11,877	10,239	12,018	211,112	11,611	12,119	14,495	14,418	15,542	011,71	17,335
01 150,11	10	,543	11,998	10,006	11,351	10,277	11,302	12,296	14,683	14,253	15,323	16,674	16,337
	Η	019,11	इर, य	8,872	11,822	8,518	8,657	9,673	12,927	11,302	12,322	13,155	12,664
	വ്	59,539	103,459	124,793	122,798	120,399	126,488	138,535	144,782	157,918	176,182	192,677	204,992
7,421 (•	069,6	8,481	4,563	5,180	5,203	5,203	620,69	9,022	8,070	9,034	9,493	9,095
	ä	12,794	15,593	11,421	13,300	11,241	12,303	12,734	16,950	16,702	16,867	17,994	18,689
	w	8,041	10,265	6,215	7,838	6,708	7,173	8,476	10,570	8,897	9,827	10,222	10,217
	Ŋ	5,437	36,415	35,518	36,493	36,529	41,789	40,683	43,491	45,247	47,155	47,655	48,084
		5,830	8,524	4,579	5,484	5,080	4,884	4,914	121,8	7,137	9,093	9,100	9,691
	Ŋ	55,802	62,865	65,002	64,920	65,471	68,843	71,421	75,367	76,966	81,022	84,004	63,392
		8,741	10,560	7,806	9,165	7,572	7,583	7,746	10,924	888,6	10,551	11,499	11,496
		8,873	969,6	7,930	8,864	7,782	8,619	10,490	072,दा	12,498	13,261	13,419	12,599
		6,455	8,919	5,878	6,812	6,293	6,337	8,540	9,156	9,156	10,481	10,065	12,62e
.,	Ю	36,111	37,629	34,893	37,522	39,338	43,122	43,446	48,223	49,156	52,644	55,572	55,410
	6.7	34,146	36.637	33,041	34,508	32,193	34,839	35,973	44,416	45,258	47,132	50,405	51,337
	_	17,833	19,513	16,741	18,399	16,001	16,811	18,103	23,417	22,747	23,534	24,596	24,788
	ณ	21,343	23,494	22,279	23,968	21,070	21,183	22,458	27,322	26,304	27,192	29,492	59,760
		8,305	10,865	6,967	7,907	7,054	7,462	8,024	11,253	896,6	11,582	12,549	11,774
	Ò	22,573	24,477	23,174	24,886	25,490	28,151	28,756	30,615	30,240	33,808	34,221	33,825
	-	13,093	15,030	12,020	14,288	11,646	11,637	12,158	17,004	15,653	17,016	17,756	18,386
	Ŋ	59,478	008,69	69,561	74,737	73,522	83,444	84,533	85,533	84,456	85,306	85,931	87,215
	-	10,719	11,725	9,681	10,420	9,265	10,084	11,808	14,156	13,072	13,239	13,829	14,013
	•	4,639	5,046	4,025	4,634	4,578	5,049	7,330	8,105	7,265	7,898	8,022	8,644
	Ä	16,163	17,147	14,572	17,021	14,154	14,306	15,780	20,624	19,377	20,687	22,018	22,023
	ά	22,947	24,317	23,494	24,991	25,028	27,983	59 , 660	32,045	33,574	34,877	35,417	35,789
	•	9,762	13,392	7,412	9,223	8,058	7,787	7,724	12,243	10,195	12,070	11,966	12,446
1,790	Н	11,980	13,695	11,037	12,679	11,412	11,566	12,737	15,389	14,485	15,523	16,125	16,260
	-	3,263	13,662	11,701	12,987	12,148	13,549	14,413	17,290	17,121	18,262	19,669	18,692
	-	11,513	13,357	9,983	11,767	996,6	9,627	10,471	14,131	13,288	14,345	14,728	14,544
	_	8,472	10,263	8,331	9,829	8,145	8,578	9,408	12,169	11,471	11,860	12,486	12,203
14,649 1	_	15,306	19,777	14,595	17,663	15,945	16,084	16,359	21,173	19,283	22,058	22,471	23,469
	7	11,589	13,451	10,936	13,688	12,345	12,383	12,288	15,629	14,759	15,824	16,828	17,363
	ä	15,185	16,078	13,764	14,983	13,299	14,213	15,268	19,038	18,260	18,848	19,754	20,037
18,858 19	13	19,082	23,517	18,879	21,224	20,153	21,639	22,559	26,014	25,049	26,241	27,632	27,891

TABLE I (Concluded)

	1962	10,618	137,378	19,140	28.435	102,260	16,920	12,950	28,598	165,466	20,631	953,803	41,634	395,290	9,794	16,973	14,189	15,780	7,955	12,038	45,138	18,933	10,662	10,387	5,986	18,103	9,331	22,611	9,126	492,584
	1961	11,055	131,589	18,523	28,929	89,550	17,095	12,530	26,281	148,852	15,507	910,170	37,897	382,825	9,570	15,915	13,975	17,053	7,955	11,435	46,057	17,853	9,936	11,476	5,017	18,380	8,557	22,808	8,684	452,341
	1960	11,737	125,771	17,390	27,136	86,814	17,360	12,450	26,080	126,473	14,659	877,779	35,216	367,817	10,107	17,647	13,714	17,053	8,218	11,581	44,716	19,396	11,050	10,119	5,978	16,872	9,167	22,048	8,900	439,508
:	1959	9,843	119,055	16,314	26,490	85,709	16,134	11,241	25,549	122,435	12,241	879,035	32,752	346,070	8,248	15,323	12,534	15,030	6,953	11,081	42,999	16,678	9,665	9,528	5,384	15,840	7,694	21,690	8,636	428,177
	1958	11,122	117,619	17,305	26,391	84,013	17,645	13,775	25,811	110,670	13,066	854,926	31,562	332,877	9,677	15,457	13,981	16,052	7,627	12,116	43,756	18,994	10,738	10,441	5,925	17,685	8,274	21,540	9,312	393,401
Dollars	1957	7,396	103,097	13,442	22,649	78,099	14,259	9,800	22,708	98,414	8,988	836,515	26,174	312,812	6,154	11,638	10,799	13,133	4,077	10,942	34,989	12,427	7,320	7,811	5,465	12,664	5,046	19,359	8,219	399,335
usands of Dollars	1956	6,685	101,563	12,106	22,790	77,962	14,986	9,183	22,735	94,758	8,277	771,037	21,907	298,542	5,910	9,985	9,280	13,005	3,955	7,488	53,937	161,51	7,027	7,470	3,043	12,141	4,468	18,771	6,722	401,322
Tho	1955	7,678	93,780	10,950	22,578	74,964	14,342	8,910	22,803	90,939	8,110	743,510	18,693	268,529	6,400	10,000	8,695	12,259	4,359	7,651	31,200	13,802	7,029	7,575	2,940	12,057	4,611	18,104	5,993	395,789
	1954	8,193	96,593	14,031	24,600	76,658	15,143	10,358	24,187	82,481	8,134	693,257	17,936	241,716	7,279	10,865	11,192	14,526	3,768	8,239	33,958	13,620	7,674	8,333	3,322	14,965	5,164	18,738	6,456	374,690
	1953	7,603	91,245	11,413	25,605	76,424	12,997	8,026	23,423	76,871	8,233	666,038	16,520	239,003	6,152	11,042	9,660	12,547	3,768	6,489	31,200	12,250	6,489	7,602	3,128	13,169	4,466	17,636	5,933	358,783
	1952	11,702	94,598	14,924	27,080	70,976	15,587	12,563	26,332	68,773	12,036	632,906	18,327	226,618	6,152	13,794	12,732	16,166	6,553	988,8	57,279	16,379	9,758	9,944	5,750	15,854	8,158	18,401	7,075	326,685
	1951	8,937	86,242	14,070	23,821	60,130	13,814	10,108	23,064	55,922	8,763	524,067	16,385	203,526	992,9	10,731	11,192	12,939	5,598	7,909	29,578	11,928	7,172	9,766	3,784	14,262	5,182	16,355	6,736	305,194
	1950	10,377	78,323	14,786	21,274	52,737	13,080	9,341	20,438	48,375	8,746	371,580	15,316	177,069	7,328	12,890	11,725	13,253	4,902	7,490	29,731	14,749	7,185	10,202	4,752	15,867	5,036	15,871	6,903	261,540
	County	Rawlins	Reno	Republic	Rice	Riley	Rooks	Rush	Russell	Saline	Scott	Sedgwick	Seward	Shawnee	Sheridan	Sherman	Smith	Stafford	Stanton	Stevens	Sumner	Thomas	Trego	Wabaunsee	Wallace	Washington	Wichita	Wilson	Woodson	Wyandotte

TABLE II

POPULATION IN KANSAS BY COUNTY: 1950-1962

County	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Allen	17,387	17,156	16,533	16,115	16,134	16,448	16,520	16,407	16,262	16,335	16,319	16,155	16,058
Anderson	9,837	989,6	9,499	9,137	6,963	8,854	8,601	8,410	8,714	8,836	600,6	6,910	8,824
Atchison	20,817	20,279	19,790	19,547	19,454	19,427	19,682	19,921	19,466	21,023	20,874	20,637	20,836
Barber	8,713	8,555	6,333	8,618	8,750	8,813	9,012	8,895	8,949	8,709	8,720	6,738	8,763
Barton	30,601	30,005	31,117	32,367	32,880	32,881	32,420	32,418	32,393	32,244	32,571	33,405	34,332
Bourbon	18,657	, 1.8,685	18,043	17,323	16,716	16,140	16,137	15,751	15,842	15,625	16,033	15,800	15,598
Brown	14,617	14,514	14,454	14,057	13,082	13,609	13,260	13,053	13,109	12,808	12,189	13,050	12,961
Butler	32,053	31,783	33,704	34,749	35,176	37,154	37,914	38,149	37,934	39,572	38,575	39,339	40,196
Chase	4,564	4,583	4,483	4,422	4,360	4,233	4,091	3,976	3,958	3,857	3,901	3,832	3,780
Chautauque	7,015	7,026	6,807	6,310	6,340	6,380	6,377	6,074	5,897	5,787	5,930	5,825	5,725
Cherokee	24,208	24,148	23,300	22,555	22,366	22,224	22,084	21,875	21,757	21,833	22,207	21,959	21,770
Cheyenne	5,517	5,407	5,283	4,755	4,621	4,550	4,480	4,443	4,577	4,601	4,686	4,602	4,524
Clark	5,763	3,782	3,716	3,601	3,564	3,526	3,186	3,185	3,261	3,364	3,387	3,343	3,299
Clay	11,150	320,11	10,380	9,764	768,6	9,917	6,979	688,6	10,169	10,311	10,614	10,544	10,467
Cloud	16,493	16,071	16,034	15,489	15,366	15,247	15,189	14,520	14,367	14,163	14,359	14,200	14,093
Coffey	9,914	9,643	960,6	8,530	8,171	171,8	8,203	8,077	8,197	8,203	8,370	8,221	8,075
Comanche	3,702	3,655	3,511	3,347	3,214	3,053	2,910	2,842	2,942	3,163	3,257	3,212	3,173
Cowley	36,618	36,788	36,391	36,027	38,578	38,954	39,142	39,326	38,790	38,109	37,873	37,928	38,072
Crawford	38,569	38,190	37,880	37,476	37,181	36,936	36,665	36,631	36,515	36,545	36,954	36,630	36,451
Decatur	5,923	5,930	5,874	5,785	5,743	5,825	5,814	5,514	5,507	5,641	5,766	5,730	5,711
Dickingon	20,642	20,391	19,643	16,945	18,845	18,946	19,892	19,901	20,884	21,210	21,483	21,533	21,636
Donf phan	10,252	9,985	9,822	9,398	9,228	9,104	8,961	9,230	9,359	9,338	9,549	9,493	9,436
Douglas	35,100	36,119	37,903	37,705	39,296	41,409	41,364	41,313	41,603	42,653	44,002	45,176	46,364
Edwards	5,541	5,063	4,731	4,724	4,777	4,807	4,850	4,782	5,031	5,221	5,102	5,045	4,994
四水	6,333	6,163	5,828	5,527	5,330	5,208	5,068	4,654	4,793	4,920	5,009	4,655	4,727
Ellis	18,299	18,488	18,377	18,020	18,197	18,419	18,992	19,000	19,583	20,559	21,319	21,542	21,789
Ellsworth	8,610	8,473	8,439	8,375	8,134	8,062	8,041	7,735	7,586	7,576	7,652	7,574	7,499
Finney	14,650	14,302	13,884	13,612	13,837	13,946	14,154	14,163	14,538	14,897	16,121	16,250	16,461
Ford	19,710	20,412	21,437	20,962	21,055	20,815	20,887	20,665	20,847	20,982	20,938	21,074	21,262
Franklin	19,227	18,955	18,893	18,619	18,942	19,105	19,492	19,423	19,403	19,511	19,529	19,549	19,608
Geary	22,402	23,401	23,436	23,722	24,643	25,362	26,479	26,621	27,368	28,010	28,973	29,729	30,635
Gove	4,253	4,235	4,210	4,109	4,008	4,066	4,042	3,983	4,144	4,094	4,104	4,088	4,080
Graham	4,868	5,005	5,034	5,050	5,137	5,223	5,280	5,261	5,319	5,506	5,600	5,653	5,732
Grant	4,715	4,520	4,377	4,278	4,366	4,373	4,493	4,636	4,712	4,951	5,289	5,343	5,418
Gray	4,593	4,775	4,611	4,463	4,628	4,735	4,642	4,496	4,403	4,296	4,362	4,319	4,301
Greeley	1,993	2,092	1,976	1,917	1,944	1,914	1,825	1,798	1,905	1,976	2,091	2,100	2,111
Greenwood	12,673	12,894	12,396	11,894	11,686	11,470	11,160	11,052	11,081	11,069	11,210	11,031	10,845
Hamilton	3,604	3,512	3,393	3,286	3,163	3,044	2,952	2,754	2,946	3,075	3,140	3,113	3,090

Kansas	1962	9.419	26,90	3,050	3,087	10,200	11,382	6,542	156.878	3,047	9,930	4,556	26,401	3,125	50,05e	5,400	966,7	4,020	27,260	24,325	14,944	15,239	5,509	20,038	8,592	44,637	7,210	3,539	12,680	19,371	5,330	7,881	12,816	7,321	6,714	10,141	8,547	11,956	12,082
	1961	9,473	26,402	3,010	3,092	10,250	913,512	6,995	149,705	3,076	9,927	4,561	26,522	3,093	49,179	5,455	8,112	4,013	27,067	24,215	15,011	15,369	5,501	19,919	8,705	44,750	7,291	3,458	12,753	19,390	5,364	7,927	12,747	7,593	6,724	10,169	909 8	11,926	12,088
	1960	9,532	25,976	2,991	3,110	10,295	11,265	7,171	146,729	3,102	9,950	4,613	26,740	3,068	48,445	5,535	E,244	4,031	26,955	24,188	15,122	15,554	5,505	19,864	8,837	44,957	7,370	3,379	12,864	19,441	5,451	8,012	12,722	7,485	6,754	10,244	689,68	11,935	टटा दा
	1959	9,500	25,730	2,918	3,026	10,051	11,174	7,222	139,203	2,925	9,921	4,539	27,255	2,920	46,305	5,459	7,992	3,952	25,468	23,289	14,977	15,395	5,363	19,624	8,589	45,245	7,281	3,257	12,956	19,344	5,412	8,019	12,545	7,347	6,560	10,232	8,873	11,868	11,715
	1958	9,494	25,937	2,878	3,076	10,364	10,959	7,132	138,229	2,803	10,166	4,572	28,163	2,820	46,320	5,533	7,941	3,977	25,177	22,446	15,081	15,719	4,817	19,577	8,762	45,592	7,611	3,231	13,098	19,309	5,401	8,276	12,264	7,292	6,607	10,484	9,126	०ळ, दा	11,603
	1957	9,106	25,851	2,810	2,973	10,318	10,956	7,172	136,854	2,689	10,084	4,655	28,728	2,712	46,887	5,628	7,586	3,796	24,482	22,374	15,072	16,452	4,628	19,726	8,497	46,352	7,459	3,192	12,916	19,440	5,293	8,214	11,857	7,265	6,510	10,464	9,282	11,986	11,943
ned)	1956	9,149	25,751	2,829	3,015	10,420	11,207	7,519	112,466	2,589	10,246	4,848	29,346	2,987	47,351	2,966	7,678	3,784	23,514	22,122	14,986	17,266	4,623	20,338	8,950	47,064	7,679	3,186	12,954	19,533	5,492	8,522	11,840	7,472	6,597	10,824	9,870	121,51	12,378
II (Continued	1955	9,072	25,292	2,684	3,123	10,233	11,162	600°3	110,340	2,628	10,106	4,391	30,909	2,943	47,871	6,169	7,766	3,877	22,496	22,211	14,774	17,471	4,446	20,515	9,438	46,548	7,618	2,778	32,972	19,205	5,745	8,705	८ ₹ 0 € टा	7,456	6,569	10,786	10,544	11,809	12,271
TABLE	1954	8,992	23,351	2,643	5,211	10,069	10,828	8,425	104,518	2,655	006,6	4,805	51,398	2,829	48,173	6,053	7,967	3,997	22,409	22,179	14,747	17,314	4,917	20,465	9,272	45,767	7,316	2,694	12,827	19,171	5,917	8,575	12,364	7,553	6,664	10,643	10,582	11,896	12,140
	1953	8,973	22,759	2,566	3,261	9,932	10,168	8,656	97,862	2,895	9,679	4,586	31,689	2,726	46,380	5,673	8,446	4,077	22,070	22,454	14,905	17,439	4,932	20,455	9,598	45,981	7,286	2,131	651, टा	19,038	6,016	8,504	12,227	7,750	6,780	10,518	10,670	11,964	11,908
	1952	9,320	22,900	2,615	3,352	10,430	10,374	8,953	85,682	3,122	9,718	4,708	31,391	2,683	49,404	6,155	8,971	4,145	21,984	22,449	15,264	17,557	5,191	20,688	9,763	45,962	7,453	2,178	13,475	19,226	6,191	8,685	12,313	8,317	6,854	10,322	10,038	12,119	12,091
	1951	9,746	23,181	2,671	3,323	10,945	10,515	9,162	73,787	3,295	10,015	4,603	30,562	2,612	47,297	6,318	9,799	4,187	22,519	23,216	15,406	18,118	5,321	20,485	10,109	46,407	7,711	2,198	13,588	19,690	6,282	8,632	12,603	8,563	6,770	10,430	10,074	इद्ध'टा	12,158
	1950	9,932	22,261	2,535	3,162	11,203	10,601	9,135	65,032	3,312	10,000	4,458	30,497	2,727	44,097	6,333	9,625	4,136	24,697	23,858	15,644	18,286	5,436	20,394	10,015	47,307	7,975	2,446	13,716	19,514	6,237	8,532	12,966	8,713	6,777	10,567	099,6	12,470	11,981
	County	Harper	Harvey	Haskell	Hodgeman	Jackson	Jefferson	Jewell	Johnson	Kearny	Kingsan	Kiowa	Labette	Lane	Leavenworth	Lincoln	Linn	Logan	Lyon	McPherson	Marion	Marshall	Meade	Mismi	Mitchell	Montgomery	Morris	Morton	Nemaha	Neosho	Ness	Norton	Osage	Osborne	Ottawa	Pawnee	Phillips	Pottawatomie	Pratt

Kansas	1962	200	60.005	9.469	13,551	54.566	9,759	5,968	10,982	59,051	5,329	320,883	17,906	150,927	4,231	6,596	7,616	7,245	2,129	4,394	25,701	7,350	5,395	6,568	2,014	10,367	2,799	12,701	5,185	192,903
	1961	0,40	59,503	9,582	13,686	55,319	9,731	6,051	11,130	57,472	5,269	320,740	16,979	147,752	4,244	6,634	7,681	7,327	2,120	4,391	25,472	7,337	5,422	6,585	2,045	10,521	2,775	12,847	5,278	195,518
	1960	5.974	59,130	9,730	13,860	49,254	9,727	6,140	11,304	54,745	5,235	324,059	16,134	144,220	4,258	6,685	7,757	7,428	2,110	4,396	25,349	7,356	5,465	6,640	2,066	10,699	2,767	13,024	5,393	193,483
	1959	4.986	59,073	9,558	13,883	36,239	9,873	6,148	11,476	54,487	5,091	344,909	14,986	142,197	4,186	6,405	7,727	7,448	1,940	4,279	25,684	986,9	5,332	6,698	5,009	10,832	2,497	11,797	5,065	193,982
	1958	4.986	60,520	9,743	13,511	34,074	10,022	6,397	11,502	52,207	5,034	344,464	13,796	138,458	3,978	6,279	7,763	7,552	1,921	4,047	25,909	6,958	5,227	6,781	1,993	10,983	2,003	11,222	4,767	191,935
	1957	5.024	61,194	9,488	13,689	32,869	10,006	6,304	11,500	49,688	4,888	345,409	12,829	137,338	3,808	6,125	7,526	7,523	1,773	3,933	25,837	6,780	4,894	989,9	1,979	11,012	1,996	11,686	4,682	188,502
uded)	1956	5,377	60,619	9,756	14,015	32,560	10,148	6,483	12,105	48,917	5,097	337,443	12,785	137,841	3,854	6,460	7,507	8,315	1,874	3,884	25,719	7,111	4,966	6,863	1,967	11,468	2,145	12,286	5,439	197,236
II (Concluded	1955	5,564	60,804	9,784	14,423	30,900	10,040	6,459	12,683	46,698	4,959	333,396	11,810	129,511	3,915	6,667	7,519	8,480	1,896	3,836	25,244	6,939	4,972	6,881	5,089	11,293	2,369	13,449	5,862	188,627
TABLE	1954	5,427	58,186	9,846	14,870	30,529	10,085	6,615	13,108	44,979	4,895	307,474	10,819	128,297	4,040	6,535	7,642	8,165	1,812	3,857	25,279	6,874	2,096	6,842	2,219	11,094	2,573	14,386	6,234	180,421
	1953	5,540	56,014	9,824	15,386	30,193	9,519	6,727	12,722	41,547	4,857	294,412	10,322	120,362	4,033	6,691	7,567	7,966	1,902	4,093	24,158	6,768	5,221	6,848	2,278	11,093	2,773	15,712	6,841	170,075
	1952	5,588	54,191	11,033	15,870	30,532	9,538	7,010	12,303	34 ,882	4,930	277,776	10,431	115,624	4,372	7,160	7,644	8,154	2,040	4,183	24,071	7,099	5,516	6,927	2,340	11,459	3,131	17,560	7,923	173,024
	1951	5,513	54,925	11,015	16,005	30,984	9,408	7,083	12,363	34,473	5,029	250,274	10,466	111,814	4,494	7,434	7,727	7,973	2,197	4,405	23,886	7,517	5,704	6,947	2,402	11,971	3,088	17,695	7,926	178,752
	1950	5,510	55,497	10,996	15,933	31,315	9,302	7,016	12,848	34,647	5,006	235,094	10,083	109,329	4,373	7,253	8,304	8,286	2,153	4,500	23,964	7,334	5,630	968,9	2,420	12,317	3,168	17,945	8,034	166,846
	County	Rawlins	Reno	Republic	Rice	Riley	Rooks	Rush	Russell	Saline	Scott	Sedgwick	Seward	Shawnee	Sheridan	Sherman	Smith	Stafford	Stanton	Stevens	Sumner	Thomas	Trego	Wabaunsee	Wallace	Weshington	Wichita	Wilson	Woodson	Wyandotte

TABLE III

PER CAPITA PERSONAL INCOME IN KANSAS BY COUNTY: 1950-1962

(Dollars)

1962	1.816	1,629	1.978	1,969	2,190	1,925	1,865	1,727	2,086	1,583	1,699	2,296	2,733	2,012	1,929	1,822	2,304	1,903	1,904	2,117	2,023	1,382	1,788	2,257	1,553	1,839	1,950	2,417	2,364	1,688	2,366	2,520	1,994	2,940	2,681	3,402	1,802	2,921
1961	1,763	1,661	1,913	2,032	2,173	1,845	1,852	1,730	2,161	1,551	1,673	2,290	2,707	1,997	1,932	1,777	2,327	1,850	1,778	2,086	1,980	1,347	1,758	2,262	1,554	1,761	1,905	2,361	2,333	1,682	2,329	2,465	1,945	2,649	2,844	2,930	1,790	2,848
1960	1.670	1,577	1,856	2,029	2,200	1,793	1,755	1,738	2,114	1,529	1,582	2,297	2,690	1,856	1,773	1,674	2,287	1,767	1,735	2,076	1,897	1,224	1,726	2,222	1,555	1,732	1,817	2,290	2,218	1,679	2,345	2,499	2,138	2,627	2,602	3,448	1,797	3,134
1959	1,606	1,489	1,852	1,977	2,172	1,732	1,706	1,764	2,046	1,538	1,546	2,095	2,578	1,809	1,747	1,600	2,130	1,763	1,647	1,835	1,901	1,246	1,631	1,868	1,573	1,716	1,761	2,219	1,972	1,566	2,486	2,027	2,037	2,564	1,971	3,187	1,831	2,738
1958	1,601	1,588	1,891	2,146	2,138	1,737	1,680	1,740	2,175	1,590	1,564	2,334	2,988	1,842	1,740	1,681	2,736	1,681	1,603	2,158	1,870	1,314	1,586	2,226	1,728	1,761	1,849	2,302	1,974	1,558	2,489	2,301	2,103	2,712	2,455	3,558	1,789	2,868
1957	1,477	1,350	1,787	1,850	1,949	1,628	1,366	1,582	1,623	1,341	1,480	1,800	2,168	1,520	1,435	1,375	2,145	1,523	1,503	1,528	1,621	1,023	1,420	1,766	1,532	1,540	1,452	1,901	1,662	1,389	2,396	1,472	1,637	2,130	1,640	2,528	1,612	2,066
1956	1,340	1,188	1,629	1,625	2,004	1,445	1,252	1,514	1,655	1,193	1,432	1,412	1,925	1,412	1,316	1,211	1,621	1,469	1,416	1,327	1,513	9,715	1,368	1,530	1,306	1,508	1,374	1,775	1,579	1,310	2,399	1,245	1,443	2,136	1,433	1,945	1,484	1,694
1955	1,257	1,127	1,634	1,548	1,871	1,392	1,180	1,408	1,441	1,139	1,391	1,448	1,656	1,376	1,240	1,141	1,519	1,372	1,285	1,420	1,510	9,625	1,284	1,504	1,246	1,508	1,354	1,717	1,516	1,218	2,444	1,313	1,464	2,150	1,311	1,780	1,414	1,732
1954	1,337	1,207	1,608	1,550	1,812	1,534	1,330	1,528	1,554	1,232	1,397	1,603	1,833	1,515	1,367	1,224	1,811	1,415	1,256	1,641	1,571	1,093	1,251	1,763	1,358	1,484	1,495	1,694	1,508	1,206	2,532	1,543	1,549	2,041	1,464	1,951	1,497	1,632
1953	1,243	1,114	1,504	1,430	1,756	1,234	1,176	1,478	1,534	1,151	1,188	1,608	1,532	1,447	1,198	1,107	1,495	1,437	1,264	1,390	1,456	1,000	1,211	1,379	1,218	1,387	1,285	1,698	1,494	1,153	2,724	1,378	1,412	1,755	1,181	1,642	1,388	1,451
1952	1,297	1,265	1,486	1,951	1,908	1,249	1,336	1,587	1,874	1,199	1,287	2,020	2,441	1,519	1,314	1,290	2,387	1,438	1,269	1,890	1,543	1,113	1,295	2,179	1,361	1,554	1,652	2,080	1,811	1,247	2,604	2,129	1,829	2,481	2,250	3,636	1,575	2,392
1921	1,155	1,142	1,412	1,588	1,779	1,159	1,182	1,582	1,746	1,097	1,110	1,440	1,909	1,333	1,230	1,117	1,754	1,281	1,223	1,482	1,377	9,585	1,512	1,674	1,235	1,419	1,416	1,724	1,568	1,153	2,089	1,576	1,507	2,050	1,377	1,872	1,480	1,789
1950	1,119	1,176	1,257	1,493	1,479	1,142	1,350	1,461	1,771	1,068	1,046	1,381	1,828	1,298	1,182	1,165	1,716	1,193	1,129	1,563	1,355	1,010	1,058	1,338	1,202	1,370	1,321	1,588	1,503	1,118	1,836	1,731	1,517	1,852	1,540	2,350	1,429	1,865
County	Allen	Anderson	Atchison	Barber	Barton	Bourbon	Brown	Butler	Chase	Chautauqua	Cherokee	Cheyenne	Clark	Clay	Cloud	Coffey	Comanche	Cowley	Crawford	Decatur	Dickinson	Doniphan	Douglas	Edwards	EIK	Ellis	Ellsworth	Finney	Ford	Franklin	Geary	Gove	Graham	Grant	Gray	Greeley	Greenwood	Hamliton

. Kansas

TABLE III (Continued)

1932	6,103	3,132	2,750	1,699	1,435	1,850	1,290	2,964	1,882	2,243	1,821	3,101	1,666	2,129	1,576	3,141	2,033	2,110	1,659	1,953	2,137	1,688	2,140	1,954	1,944	2,442	1,737	1,048	2,335	2,063	1,458	1,967	1,018	2,314	2,031	1,676	2,300
1931	2,187	5,472	2,636	1,669	1,474	1,680	1,287	3,086	1,813	2,231	1,797	2,942	1,708	2,106	1,654	2,508	2,053	2,082	1,639	1,919	2,281	1,718	2,040	1,920	1,897	2,320	1,726	1,827	2,223	2,034	1,543	1,992	1,857	2,205	1,955	1,656	2,286
1960	2,030	3,180	2,597	1,509	1,360	1,718	1,200	2,912	1,695	2,130	1,763	2,964	1,672	1,903	1,609	2,600	1,953	1,949	1,556	1,748	2,104	1,702	1,925	1,898	1,796	2,337	1,30°	1,794	2,214	1,937	1,435	1,916	1,756	2,153	1,821	1,579	2,165
1959	1,944	2,438	2,013	1,434	1,275	1,564	1,134	2,759	1,683	1,960	1,660	2,444	1,662	1,169	1,564	2,317	1,930	1,943	1,519	1,709	1,859	1,541	1,822	1,867	1,795	2,231	1,496	1,733	1,884	1,006	1,365	1,809	1,749	1,885	1,663	1,539	2,138
1956	2,038	2,759	2,513	1,398	1,339	1,812	1,047	3,219	1,637	2,312	1,544	2,680	1,627	1,074	1,558	2,657	1,915	1,979	1,553	1,738	2,336	1,564	1,941	1,876	1,860	2,509	1,575	1,630	2,267	1,859	1,410	1,938	1,842	2,020	1,713	1,584	2,242
1.957	1,549	1,945	1,662	1,174	1,122	1,348	1,012	2,242	1,263	1,821	1,416	1,812	1,523	1,376	1,383	2,250	1,775	1,608	1,201	1,365	1,734	1,458	1,431	1,824	1,683	2,296	1,222	1,523	1,459	1,551	1,216	1,441	1,445	1,563	1,324	1,274	1,889
1955	1,543	1,610	1,519	1,114	1,085	1,151	1,124	5,009	1,201	1,480	1,424	1,635	1,454	1,271	1,123	1,675	1,834	1,575	1,122	1,227	1,314	1,384	1,300	1,773	1,313	1,585	1,104	1,433	1,418	1,357	1,144	1,286	1,300	1,486	1,255	1,173	1,748
1955	1,253	1,583	1,326	1,085	9,207	1,065	1,091	1,979	1,112	1,344	1,162	1,726	1,368	1,227	1,002	1,623	1,749	1,449	1,083	1,206	1,587	1,243	1,234	1,579	1,216	1,348	1,091	1,305	1,403	1,311	1,008	1,337	1,240	1,473	1,171	1,123	1,642
1954	1,651	1,635	1,515	1,193	1,048	1,403	1,174	1,951	1,343	1,631	1,162	1,938	1,348	1,514	1,113	1,704	1,674	1,556	1,248	1,384	1,608	1,216	1,541	1,633	1,424	1,720	1,327	1,304	1,559	1,479	1,050	1,558	1,475	1,660	1,294	1,259	1,748
1953	1,443	1,406	1,073	1,030	9,841	1,020	1,275	1,576	1,180	1,355	1,121	1,680	1,344	1,329	929	1,442	1,581	1,471	1,123	1,278	1,413	1,133	1,252	1,513	1,329	1,809	1,142	1,234	1,232	1,298	957	1,288	1,229	1,388	1,025	1,150	1,585
1952	1,800 1,419	2,363	2,266	1,138	1,153	010,1	1,207	2,716	1,304	2,180	1,160	3,177	1,272	1,715	1,080	2,151	1,711	1,632	1,278	1,338	2,093	1,183	1,539	1,518	1,573	2,316	1,272	1,264	2,163	1,573	1,108	1,303	1,437	1,916	1,340	1,326	1,945
1951	1,402	1,768	1,605	1,029	1,002	1,273	807	2,030	1,277	1,746	1,094	2,232	1,179	1,383	9,055	1,541	1,603	1,470	1,157	1,178	1,560	1,101	1,295	1,281	1,390	2,110	1,189	1,165	1,554	1,367	1,052	1,544	1,251	1,437	1,150	1,212	1,569
1950	1,470	1,390	1,724	1,062	1,040	1,438	773	2,237	1,314	1,725	1,026	2,321	1,135	1,440	1,031	1,739	1,402	1,397	1,264	1,239	1,504	1,075	1,306	1,135	1,457	1,555	1,261	1,170	1,645	1,331	1,047	1,395	1,261	1,306	1,179	1,303	1,574
County	Harver Harvey	Hnskell	Ноде е мап	Jackson	Jefferson	Jewell	Johnson	Kearny	Kingman	Kiowa	Labette	Lane	Leavenworth	Lincoln	Linn	Logan	Lyon	McPherson	Marion	Marshall	Мевде	Miami	Mitchell	Montgomery	Morris	Korton	Nemaha	Neosho	Ness	Norton	Сзяде	Osborne	Ottawa	Pawnee	Phillips	Pottawatomie	Fratt

TABLE IVa

MAJOR COMPONENTS OF PERSONAL INCOME IN KAUSAS BY COUNTY: 1950

		Less Personal	Contributions	Social Insurance	178	0 0	200	300	98	512	509	101	505	42	46	268	37	80	63	151	64	3 50	451	479	43	227	50	409	45	41	274	81	216	294	178	630	23	41	96	33
	4	Vrivate	Thomas	200	12,285	5,122	18.828	6.385	Confo	72.500	13,783	5,255	32,361	2,692	3,469	17,575	3,342	2,955	7,076	11,864	4,298	2,445	31,249	31,929	3,325	16,534	3,198	22,274	3,459	2,910	17,691	6,266	16,115	22,816	13,046	12,865	2,361	2,754	6,023	3,062
		State	Local		1,484	891	1,396	1,092	1.495	905	1 246	1,540	7)0°	000	109	2,067	499	228	872	1,168	757	513	2,631	3,677	581	1,674	1,084	5,199	536	738	1,838	928	947	795	1,544	721	522	721	344	457
(Thousands of Dollars)	Government		Federal		1,237	713	1,934	549	1,670	1,458	1,026	2.150	340) to	200	T9/6T	790	234	897	1,098	902	227	2,659	3,783	438	2,110	682	500,0	399	400	L, 333	304	1,030 1,030	474, L	19401	25,373	293	342	252	269
(The			Total		2,721	1,004	3,330	1,641	3,365	2,784	2,274	4,521	1,140	1.304	3,828	1 080	700	26,	69/67	7 463	1,403	740	0,530	0.04	1,016 7,764	726	10.054	10,01	100.1	2 271	1.420	1 077	700 0	3,011	700 90	#60 , 02	CTO L	1,063	296	920
		Farm	Income	220	4.912	1 20E	020 t +	2,0,0	6,172	4,960	7,846	10,482	4,293	2,767	4,186	4,883	3.170	5 717	7.6.6	5.845	25.00 ×	7 60%	000	4.958	7,881	5.446	5,044	3,063	3,525	4.298	3,769	5,391	4,889	5,620	2,803	4.219	2 E12	2070	2 20.7	30.60
	Total	Personal	Income	19.466	11,566	26,183	12 010	10,010	45,275	21,318	18,274	46,859	8,083	7,494	25,321	9,274	6,879	14,479	19,494	11,557	6.353	43,691	43.552	9,258	27,972	10,360	37,163	7,414	7,615	25,086	11,374	23,267	29,635	21,499	41,138	7,362	7,389	8,734	7,076	
		+4100	Country	Allen	Anderson	Atchingon	Barber	Berton	Dennit	Dogmog	brown	butter	Chase	Chautauque	Cherokee	Cheyenne	Clark	Clay	Cloud	Coffey	Comanche	Cowley	Crawford	Decatur	Dickinson	Doniphan	Douglas	Edwards	Elk	E1118	Ellsworth	Finney	Ford	Franklin	Geary	Gove	Graham	Grant	Gray	•

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TABLE IVa (Concluded)

	Ē						Kansas
	Total			Government		Private	Less Personal
	Personal	Farm			State	Nonfarm	Contributions
County	Income	Income	Total	Federal	Local	Income	Social Insurance
Osborne	12,159	5,246	1,313	596	717	5.667	67
Ottawa	8,547	3,842	1,295	270	785	3,451	; ;
Pawnee	14,649	4,420	2,374	673	1,701	7,972	117
Phillips Phi	11,398	4,815	1,291	622	699	5,358	99
Pottawatomie	16,251	7,015	2,079	938	1,141	7,253	96
Pratt	18,858	4,817	2,020	968	1,124	12,185	164
Rawlins	10,377	5,580	1,046	368	678	3,793	24
Reno	78,323	11,682	7,293	3,826	3,467	60,215	867
Republic	14,786	7,431	1,845	862	983	5,579	69
Rice	21,274	5,116	2,193	966	1,195	14,169	204
Ripley	52,737	5,026	28,676	23,027	5,649	19,776	741
Rooks	13,080	4,059	1,800	584	1,216	7,332	111
Rush	9,341	3,773	1,296	478	818	4,321	67
Russell	20,438	4,180	2,180	870	1,310	14,287	209
Saline	48,375	4 ,976	5,037	3,291	1,746	38,938	576
Scott	8,746	3,627	619	305	314	4,553	553
Sedgwick	371,580	10,672	35,298	22,173	13,125	330,721	5,111
Seward	15,316	1,844	1,157	649	208	12,482	167
Shawnee	177,069	5,146	35,957	20,905	15,052	138,531	2,565
Sheridan	7,328	4,159	629	272	387	2,535	, 25
Sherman	12,890	5,595	928	534	424	6,409	72
Smith	11,725	6,280	1,476	584	892	4,020	ផ
Stafford	13,253	4,789	1,782	569	1,213	6,782	100
Stanton	4,903	2,779	330	130	200	1,821	27
Stevens	7,490	2,623	834	263	57.1	4,097	₽9
Summer	29,731	10,139	3,782	1,792	1,990	16,028	218
Thomas	14,749	6,530	1,075	495	280	7,225	81
Trego	7,185	3,333	738	328	410	3,146	R
Wabaunsee	10,202	2,692	1,236	488	748	3,322	48
Wallace	4,752	2,850	405	156	249	1,514	17
Washington	15,867	8,437	2,050	627	1,223	5,392	72
Wichita	5,036	2,763	386	3.75	211	1,911	48
Wilson	15,871	4,419	2,258	1,090	1,168	9,327	133
Woodson	6,903	3,241	1,055	470	585	2,641	34
Wyandotte	261,540	1,417	24,441	14,612	9,829	259,833	4,151

TABLE IVE

MAJOR COMPONENTS OF PERSONAL INCOME IN KANSAS BY COUNTY: 1962

(Thousands of Dollars)

	Total	1		GOVERNMENT		angarij	TRUDGLE LELBOURT
	Personal	Farm			State	Nonfarm	Contributions
	Income	Income	Tota1	Federal	Local	Income	Social Insurance
	29,166	3,742	6,314	3,040	3,274	11,411	109
nderson	14,381	4,263	3,080	1,760	1,320	7,291	253
Atchinson	41,231	3,712	7,101	3,529	3,572	31,333	915
	17,262	4,509	1,725	1,492	233	11,355	327
	75,208	5,613	9,094	4,437	4,657	62,170	1,669
Sourbon	30,035	4,266	6,100	3,346	2,754	20,309	640
	24,172	6,687	4,574	2,689	1,885	13,353	442
	69,450	6,983	11,751	5,549	6,202	52,259	1,543
Chase	7,888	2,865	1,366	764	602	3,792	135
Chauteuque	290,6	2,157	1,628	1,238	390	5,439	157
Cherokee	36,991	3,275	8,765	4,147	4,618	25,748	797
ne	10,389	4,094	1,073	537	556	5,397	175
Clark	9,015	2,060	944	486	458	5,166	155
	21,106	4,871	3,835	2,007	1,828	12,805	405
	27,197	4,513	4,837	2,730	2,107	18,388	541
Coffey	14,715	4,370	2,817	1,845	972	7,784	256
he	7,311	3,327	627	559	96	3,443	116
Cowley	72,467	5,642	16,108	6,753	9,355	52,399	1,682
rawford	69,430	3,985	18,340	670,6	9,311	48,594	1,489
Decatur	12,091	5,914	1,784	975	608	6,586	193
nos	43,772	6,240	7,781	4,884	2,897	30,644	693
an	13,046	4,751	2,772	1,713	1,059	5,739	216
100	82,952	4,231	25,415	7,236	18,179	55,287	1,981
Edwerds	11,274	3,788	1,793	932	861	5,896	203
	7,343	2,480	1,570	1,085	485	3,411	116
	40,090	3,889	7,873	2,787	5,086	29,199	£7 1
Llsworth	14,624	3,477	2,213	1,342	871	9,207	273
Finney	39,794	8,355	5,203	2,159	3,044	27,006	820
	50,330	6,818	7,731	3,584	4,147	36,881	1,100
1n	33,155	5,092	7,015	4,007	3,006	21,683	675
Geary	72,493	2,211	47,609	44,469	3,340	24,454	1,981
	10,283	4,799	974	628	346	4,700	190
	11,433	3,533	1,478	621	657	6,630	208
	15,920	5,793	1,251	455	961	11,260	375
	11.535	5.097	1.360	754	909	5,095	710

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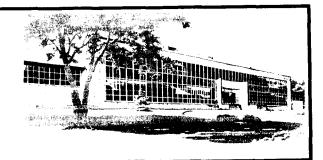
Kansas	Leas Develore	Contributions	Social Insurance	C	001	135 157	100	360	130	189	121	280	212	4.442	184	376	202	1,081	189	2.034	198	205	264	1,527	1,150	458	495	209	718	342	2,003	, 261	165	386	749	215	315	348
	Private	Nonfarm	Income	0,749	משני פר	4 220	נשמל"	Z7 A40	444	3.418	9.802	9,034	4.244	166,890	4,114	11,137	5,924	27,807	5,004	38,845	5,973	5,996	7,675	38,855	36,848	13,381	18,723	6,810	21,240	11,171	67,192	7,590	5,149	11,628	25,150	5,828	9,230	9,776
		State	Local	8	1 209	414	1002	1,000	320	530 443	1,276	880	1,067	12,192	577	1,342	395	7,052	474	5,516	258	798	460	6,188	4,438	1,756	665	342	5,493	1,458	9,208	1,087	313	1,559	3,505	331	1,916	1,104
TABLE IVb (Continued)	Government		Federal	260	2.310	504	1.695.	5,408	202	390	2,171	2,239	1,357	26,244	344	1,795	739	196,6	428	37,608	1,034	1,685	999	5,556	4,446	2,686	3,224	745	3,316	1,836	8,727	1,584	410	2,224	3,750	945	1,512	3,527
TABI			Total	581	3,639	918	3.498	9.459	639	833	3,447	3,119	2,424	38,436	921	3,137	1,134	17,033	30S	43,124	1,562	2,483	1,126	11,744	8,884	4,442	3,889	1,087	608,8	3,294	17,935	2,671	723	3,783	7,255	1,276	3,428	4,631
		Ferm	Income	3,982	3,995	4,037	5,137	4,604	4.176	4,400	4,420	4,464	6,213	4,108	4,244	4,791	3,366	4,325	2,967	3,457	4,159	4,325	4,091	6,038	6,755	6,42 2	7,643	4,086	4,494	4,263	4,091	4,013	2,937	6,998	4,133	5,557	3,917	4,633
	Tota1	Personal	Income	7,182	19,551	9,027	19,809	50,375	9,554	8,490	17,335	16,337	12,664	204,992	9,095	18,689	10,217	48,084	9,691	83,392	11,496	12,599	12,628	55,410	51,337	24,788	29,760	11,774	33 , 825	18,386	87,215	14,013	8,644	22,023	35,789	12,446	16,260	18,692
			County	Greeley	Greenwood	Hamilton	Harper	Harvey	Haskell	Hodgemen	Jackson	Jefferson	Jewell	Johnson	Kearny	Kingman	Kiowa	Labette	Lane	Leavenworth	Lincoln	Linn	Logan	Lyon	McPherson	Marion	Marshall	мевае	Miami	Mitchell	Montgomery	Morris	Morton	Nemaha	Neosho	Ness	Norton	0sage

	Kansas	Less Personal	Contributions	Social Insurance		250	8	487		Tee	260	578	157	3,190	368	119	2,749	338	222	583	4.397	464	24.683	266	106.6	154	502	235	285	143	233	688	0,40	861	176	011	Î	, t	1.3	404	164	12,539
		Private	Nonfarm	Income		7,760	6,138	12,665	10.584	757 11	016	300,01	997,65	660,111	10,036	19,556	40,064	10,769	6,489	21,015	118,709	14,061	823,485	35,421	286,813	4,362	10,01	6,703	9,368	3,151	7,061	28,996	11,467	5,284	4,727	2,269	8,086	4.062	14.80	7 646	C#0.00	429,252
~			State	Local		296	1,021	4,298	1,294	1,429	2,335	189	9.429	1 257	1,000	CT(2	15,938	844	629	2,381	7,063	989	65,173	2,448	44,814	786	1,205	727	854	329	280	4,115	1,185	817	559	379	1,106	477	2,363	940	41 292	303674
TABLE IVb (Concluded)	,	Government	F	redera	,	L 44.13	1,476	1,572	1,574	2,248	2,087	117	10,898	1,985	0.460	200 47	7,570	7,047	1,090	1586T	39,618	648	81,542	1,765	69,259	546	1,339	1,464	1,261	234	528	4, 50 C	760.T	688	1,298	334	2,148	320	2,475	1,203	33,876	
TAI			Totel	100	0.440	707 0	0.00 H	0,000	2,968	3,677	4,422	006	20,327	3,342	4,597	61,214	2.486	0.020	מוז 4	0.00	700,0%	ביליל ל היניליל הער	140,/15	4,7213	114,0/3	7,552	2,044	2,215	c11,2	פטנ פרו ר	0 047	- COC C	1 505	500, 1	1,65/	(T)	3,254	181	4,838	2,143	75,168	1
		Ferm	Income		4,592	3,770	5,421	070 7	700	4,363	4,165	4,089	9,142	6,130	4,893	3,731	4,003	4,451	3,848	4.473	5,700	98.286	20076	1664	4 054	4.687	7 506	4.582	4, 784	4.097	7.984	5,533	4,071	979.8	3.174	7 077	4 64T	2006	5,435	2,502	703	
	Total	Personal	Income		14,544	12,203	23,469	17,363	20,037	22,52	169 6 12	070,01	15/5/6 04/01	139140	28,435	102,260	16,920	12,950	28,598	165,466	20,631	953,803	41,634	395,290	9,794	16,973	14,189	15,780	7,955	12,038	45,138	18,933	10,662	10,387	5,986	18,103	9.331	119.66	20,00	9776	436,384	
			County	•	Osporne	Ottawa	Pawnee	Phillips	Pottawatomie	Pratt	Rawling	Reno	Republic	or the state of the	na.ce	K1.Ley	HOOKB	Rush	Russell	Saline	Scott	Sedgwick	Seward	Shawnee	Sheridan	Sherman	Smith	Stafford	Stanton	Stevens	Summer	Thomas	Trego	Wabaunsee	Wallace	Washington	Wichita	Wilson	Woodson	Wood of to	a de la contra del	

TABLE V

WAGE AND SALARY INCOME BY SECTOR IN KANSAS BY COUNTY: 1950-1962

Other	9 17 17 151 151 151 164 196 27 27 33 33 33 111 111 111 128	597 53 75
Gov- ernment		
Services	2,072 1,360 2,668 1,758 3,834 2,934 2,993 21,773 13,174 10,973 4,419 2,779 6,210 3,353 20,724 3,975 7,544 9,137	27,614 24,535
Comm. and Public	1,171 777 830 830 1,114 1,622 1,622 1,622 1,926 7,592 4,769 1,813 1,287 1,287 1,207 1,606 3,331 2,433 5,286	10,998 3,478
Trans- portation	2,177 1,699 1,699 4,100 3,734 5,722 5,722 3,216 19,151 15,682 19,151 36,187 2,161 1,966 4,312 3,931 9,338 6,735 4,511 4,679	27,751 45,820
rrs) Finan. Ins. & Real Estate	279 313 447 447 584 5,513 688 1,411 8,864 7,458 7,458 7,458 1,069 1,069 1,112 1,335 4,984 4,984 4,984	5,014
of Dolla Whole- sale & Retail	6,075 3,106 4,078 5,029 3,161 5,538 10,534 67,653 25,042 35,623 7,765 7,765 7,765 119,089	
(Thousands of Dollars) Whole- Fi sale & In Manu- Retail R facturing Trade ES	1,417 6,691 5,067 4,140 1,158 11,019 6,891 3,630 89,657 21,313 21,313 93,686 12,167 9,767 7,266 12,769 19,243 290,763	
Contract Con- struction	2,454 4,191 460 1,997 3,766 1,064 4,776 2,077 15,369 7,113 10,774 1,512 1,512 1,512 1,512 1,512 1,520 3,697 34,697 43,044	17,417
Mining	7,135 5,467 2,070 2,160 1,047 1,047 1,047 1,631 2,46 1,276 1,276 5,231 1,659 831 376 650 629 266	2,513
Farm	649 1,032 567 238 761 324 810 467 1,098 599 400 669 669 259 695 384 956 643	733 332
Total Wages & Sal- arics	25,136 24,769 22,126 23,430 28,337 32,156 42,560 28,256 250,778 40,864 30,367 43,653 3€,426 115,548 53,266 82,017	276,508 360,301
Total Personal Income	45,275 46,859 43,691 43,552 50,284 53,718 78,325 371,580 177,069 261,540 75,208 69,450 72,467 69,450 72,467 69,450 72,467 69,450 72,467 69,450 72,467 69,450	
County	1950 Butler Cowley Crawford Johnson Montgomery Reno Saline Sedgwick Shawnee Wyandotte 1962 Barton Butler Cowley Crawford Johnson Montgomery Reno Saline Sedgwick	Shavnee Wyandotte



MIDWEST RESEARCH INSTITUTE 425 VOLKER BOULEVARD KANSAS CITY, MISSOURI 64110